

Release notes for ENDF/B Development n-055_Cs_137
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5537, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5537, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      231 TO      277
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5537, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5537, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      231
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5537, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      279
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      528
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      586
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      641
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      656
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 667

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 673

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 687

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 32
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 698

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 33
SECTION 3/ 33 NOT IN DIRECTORY RECORD NUMBER 706

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 714

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 729

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 742

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 54 | RECORD NUMBER | 755 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 55 | RECORD NUMBER | 766 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 56 | RECORD NUMBER | 777 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 57 | RECORD NUMBER | 787 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT= 91 | RECORD NUMBER | 797 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT=102 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT=102 | RECORD NUMBER | 806 |
| SECTION 3/102 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT=103 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT=103 | RECORD NUMBER | 828 |
| SECTION 3/103 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT=104 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5537, MF= 3, MT=104 | RECORD NUMBER | 842 |
| SECTION 3/104 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT=105 (0): Directory (b)

- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 3, MT=105 | |
| | SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 855 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 3, MT=107 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 3, MT=107 | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 867 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|--|-------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 2 | |
| | SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 884 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 16 | |
| | SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1050 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 17 | |
| | SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER 1061 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 22 | |
| | SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER 1072 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 28 | |
| | SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER 1083 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 32 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 32 | |
| | SECTION 4/ 32 NOT IN DIRECTORY | RECORD NUMBER 1094 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 33 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 33 | RECORD NUMBER | 1105 |
| SECTION 4/ 33 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 51 | RECORD NUMBER | 1116 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 52 | RECORD NUMBER | 1144 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 53 | RECORD NUMBER | 1171 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 54 | RECORD NUMBER | 1198 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 55 | RECORD NUMBER | 1222 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 56 | RECORD NUMBER | 1246 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 57 | RECORD NUMBER | 1270 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 4, MT= 91 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 4, MT= 91 | RECORD NUMBER | 1294 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 16 | RECORD NUMBER | 1319 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 17 | RECORD NUMBER | 1376 |
| SECTION 5/ 17 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 22 | RECORD NUMBER | 1407 |
| SECTION 5/ 22 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 28 | RECORD NUMBER | 1602 |
| SECTION 5/ 28 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 32 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 32 | RECORD NUMBER | 1723 |
| SECTION 5/ 32 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 33 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 33 | RECORD NUMBER | 1766 |
| SECTION 5/ 33 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5537, MF= 5, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5537, MF= 5, MT= 91 | RECORD NUMBER | 1806 |
| SECTION 5/ 91 NOT IN DIRECTORY | | |

• psyche Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.80002E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.80002E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [1 more lines]
```

2. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.80001E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.80001E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [1 more lines]
```

3. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.79999E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.79999E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
```

4. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.79997E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.79997E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
```

5. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.80004E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.80004E-04
```


- LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
- ... [1 more lines]
6. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.80003E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.80003E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [1 more lines]
7. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.80000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.80000E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [2 more lines]
8. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.79996E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.79996E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
9. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04 / STRENGTH FUNCTION 1.79998E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.80002E-04
STRENGTH FUNCTION 1.79998E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [3 more lines]
10. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.79999E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.79999E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [1 more lines]
11. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.80005E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.80005E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
12. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.79998E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.79998E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
13. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.80003E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.80003E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [3 more lines]
14. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.80001E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.80001E-04
LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04
... [2 more lines]
15. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.79997E-04 / LIES OUTSIDE LIMITS

1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.79997E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

16. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.80000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.80000E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

17. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.80002E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.80002E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [2 more lines]

18. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.79995E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.79995E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

19. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04 / STRENGTH FUNCTION 1.79996E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.79999E-04
STRENGTH FUNCTION 1.79996E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

20. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 102 / THE CALCULATED Q 4.60267E+06 DISSAGREES WITH THE GIVEN Q 4.28139E+06 (0): Iffy Q

FILE 3

SECTION 102

THE CALCULATED Q 4.60267E+06 DISSAGREES WITH THE GIVEN Q 4.28139E+06

21. Non-threshold reaction with Q value differing from PSYCHE's expectations
*FILE 3 / SECTION 107 / THE CALCULATED Q 3.26454E+06 DISSAGREES WITH
THE GIVEN Q 3.06421E+06 (0): Iffy Q*

FILE 3

SECTION 107

THE CALCULATED Q 3.26454E+06 DISSAGREES WITH THE GIVEN Q 3.06421E+06

• fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.91%

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 10: n[multiplicity:'3'] + Cs135 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15098737.14031982 eV vs -1.50472e7 eV!

2. Calculated and tabulated Q values disagree.
reaction label 11: n + H1 + Xe136 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7401789.338684082 eV vs -7428640. eV!

3. Calculated and tabulated Q values disagree.
reaction label 12: n + H2 + Xe135 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13256645.59692383 eV vs -1.31136e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 13: n + H3 + Xe134 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13363272.62133789 eV vs -1.33856e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 14: Cs138 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4420768.325469971 eV vs 4281390. eV!

6. Calculated and tabulated Q values disagree.
reaction label 16: H1 + Xe137_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3376258.879837036 eV vs -3562520. eV!

7. Calculated and tabulated Q values disagree.
reaction label 17: H2 + Xe136_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5177223.237747192 eV vs -5118520. eV!

8. Calculated and tabulated Q values disagree.
reaction label 18: H3 + Xe135_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6999412.656311035 eV vs -6928460. eV!

9. Calculated and tabulated Q values disagree.
reaction label 19: He4 + I134_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3180935.636779785 eV vs 3064210. eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
 only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
 only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
 only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
 only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32
 only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 33
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided